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## Propulsion researcher matches wits with the greats

*by Jeffrey Pearce, Propulsion directorate*

EDWARDS AFB, CALIF. — Albert Einstein, Niels Bohr and Erwin Schrödinger are just a few of the great minds of physics of this past century. In addition to these great men in the newly published book, *Physics in the 20<sup>th</sup> Century*, is the Propulsion directorate's own Dr. W. Melvyn Roquemore.

The publication of *Physics in the 20<sup>th</sup> Century* was sponsored by the American Physical Society, or APS, and the American Institute of Physics to coincide with the centennial of the society. In the book, author Carl Suplee documents the tremendous expansion of scientific knowledge that has occurred over the past century.

It focuses on how physical theories were demonstrated by ingenious experiments which ultimately led to the development of the devices that have shaped 20<sup>th</sup> century technology. The work of Roquemore and his team to examine the mechanics of flames is featured in the chapter titled "Chaos and Order."

In the chapter, several pages of flame images captured by Roquemore's team are featured. The team consisted of other government researchers as well as researchers from the University of Iowa and Innovative Science Solutions, Inc., of Dayton, Ohio.

Roquemore continues to do groundbreaking work in the field of combustion and flames for the directorate's Combustion branch. @